

	Type	L #	Hits	Search Text
1	BRS	L1	2468	dating
2	BRS	L2	47	color same age same sex same height
3	BRS	L3	1	1 same 2
4	BRS	L4	16538	age same sex
5	BRS	L5	5	1 same 4
6	BRS	L6	7	odigo
7	BRS	L7	19	push\$3 same interest same appearance
8	BRS	L8	4	dating same interest same appearance
9	BRS	L9	992	(data dj base) same match\$3 same appearance
10	BRS	L10	19	(data dj base) same match\$3 same (physical adj appearance)
11	BRS	L11	8	internet same match\$3 same dating
12	BRS	L12	164	internet same match\$3 same date
13	BRS	L13	51	internet same match\$3 same date
14	BRS	L15	47521	455/\$5.ccls.
15	BRS	L16	3	14 and 15
16	BRS	L14	76	match\$3 same dating

	DBs	Time Stamp	Comments	Error Definition
1	USPAT; US-PGPUB	2003/04/18 15:43		
2	USPAT; US-PGPUB	2003/04/18 15:47		
3	USPAT; US-PGPUB	2003/04/18 15:44		
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5	USPAT; US-PGPUB	2003/04/18 15:50		
6	USPAT; US-PGPUB	2003/04/18 15:54		
7	USPAT; US-PGPUB	2003/04/18 16:08		
8	USPAT; US-PGPUB	2003/04/18 16:11		
9	USPAT; US-PGPUB	2003/04/18 16:12		
10	USPAT; US-PGPUB	2003/04/18 16:19		
11	USPAT; US-PGPUB	2003/04/18 17:01		
12	USPAT; US-PGPUB	2003/04/18 16:32		
13	USPAT	2003/04/18 16:32		
14	USPAT; US-PGPUB	2003/04/18 17:01		
15	USPAT; US-PGPUB	2003/04/18 17:02		
16	USPAT; US-PGPUB	2003/04/18 17:03		



US 20020103792A1

(19) **United States**(12) **Patent Application Publication**
Blank et al.(10) **Pub. No.: US 2002/0103792 A1**(43) **Pub. Date: Aug. 1, 2002**(54) **ACUMATCH CROSS-MATCHING SYSTEM**(52) **U.S. Cl. 707/3**(76) **Inventors: Arthur Blank, Encinitas, CA (US);
Len Schiedel, Encinitas, CA (US)**(57) **ABSTRACT**

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A system and method for cross-matching a query record with a database of registration records. The method begins by compiling a database of registration records each identifying and describing actual characteristics of an entity. Once the registration database is compiled, the database may be queried by inputting a query record describing desired characteristics of an entity. The query record includes a plurality of incremental preference rankings associated with the desired characteristics. Given the registration database and a query record, the cross-matching engine of the present invention will cross-match the actual characteristics with the desired characteristics by assigning a score for each match that is weighted in accordance with the preference ranking. The scores are totaled to prioritize the closest registration records based on the query record. The present method provides a statistical cross-matching system that accurately accounts for user-preferences. The system is described in the context of an on-line dating service.

(21) **Appl. No.: 09/775,986**(22) **Filed: Feb. 2, 2001****Related U.S. Application Data**(60) **Provisional application No. 60/180,094, filed on Feb. 3, 2000.****Publication Classification**(51) **Int. Cl. G06F 7/00**

Please Login
Member Login
Password
I forgot my member login or password, can you help?



Welcome New Members!
Read On To Review Some of Your Options...

Welcome member, if this is your first visit to this section as a new member then you are on the brink of a great adventure. Before you begin take a minute to finish reading this page. We will use this page to announce news, upcoming events, and new features to all our members. As a member when you come to NewRelationships you will be automatically directed to this page.

This section is personalized just for you.

Start A New Relationship

[Start A New Relationship] is the place to start. Here you will see a listing of all your profiles and you have the choice to either go immediately to a search or open the profile to make a few changes to it for a specific search. This is not the place to make any permanent changes to the profile. To do this simply go to [Your Profiles], but more on that later.

Now is the time to press the GO button. After a moment or two you are presented with a listing of members to whom you have matched. The match depending on original profile settings can be a simple search or a full cross match. Take time to scan the list and if long apply the SAVE filter for those you wish to study in detail. When you are ready SEND a reply to those that interest you the most. Remember the ACI is guide to how strong the match was. The higher the percentage the closer the search is to what you and they are looking for. We have also given you the raw scores for the I AM and I WANT so you can see how it worked out.

Match Status

[Match Status] is your control console. Everything that you are doing at NewRelationships is reported to you here. You can at a glance find out how many people have found you, replies or responses pending and other information. Each reported number in this section is a quick link to take you right to that area. Try it!

Your Profiles

[Your Profiles] is the section where, depending on your level of membership you can create new profiles and/or edit permanently existing ones. Remember only premium membership allows 10 profiles.

About Membership

[About Membership] is where you can change any personal information. Name, address, billing information, password etc. Remember, this information is confidential to us and we will not reveal this to anyone!



US 20030055831A1

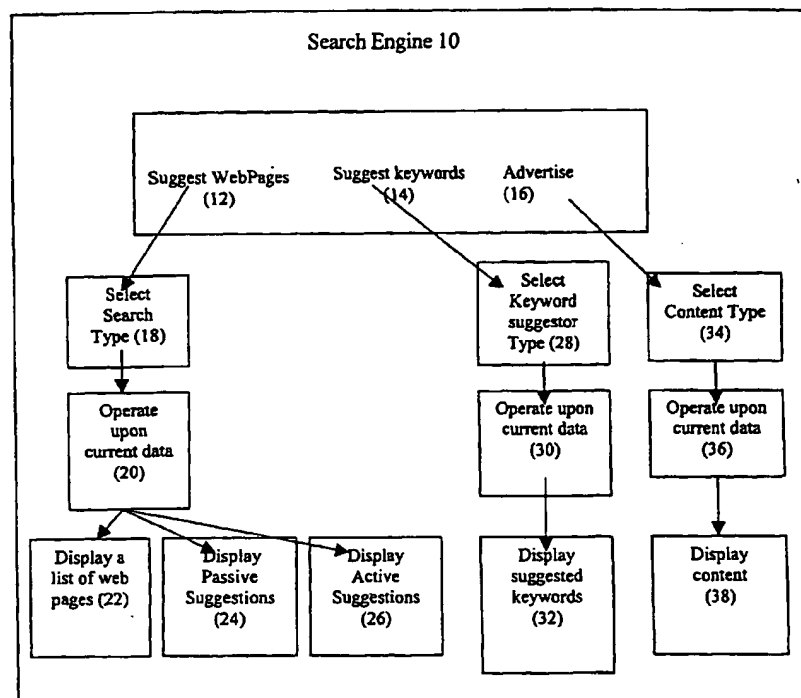
(19) **United States**(12) **Patent Application Publication** (10) Pub. No.: **US 2003/0055831 A1**
(43) Pub. Date: **Mar. 20, 2003**
Ryan et al.(54) **SEARCH ENGINE****Related U.S. Application Data**(75) Inventors: **Grant James Ryan**, Christchurch (NZ);
Shaun William Ryan, Christchurch (NZ); **Craig Matthew Ryan**, Karori (NZ); **Wayne Alistar Munro**, Christchurch (NZ); **Del Robinson**, Christchurch (NZ)

(60) Division of application No. 10/155,914, filed on May 22, 2002, which is a continuation of application No. 09/115,802, filed on Jul. 15, 1998, now Pat. No. 6,421,675.

(60) Provisional application No. 60/078,199, filed on Mar. 16, 1998.

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McLean, VA 22102 (US)(51) Int. Cl.⁷ **G06F 7/00**
(52) U.S. Cl. **707/100**(57) **ABSTRACT**

The present invention provides for a method of updating an internet search engine database with the results of a user's selection of specific web page listings from the general web page listing provided to the user as a result of his initial keyword search entry. By updating the database with the selections of many different users, the database can be updated to prioritize those web listings that have been selected the most with respect to a given keyword, and thereby presenting first the most popular web page listings in a subsequent search using the same keyword search entry.

(73) Assignee: **S.L.I. SYSTEMS, INC.**(21) Appl. No.: **10/213,017**(22) Filed: **Aug. 5, 2002**

DOCUMENT-IDENTIFIER: US 20030055831 A1

TITLE: Search engine

----- KWIC -----

[0402] In another embodiment, the system according to the present invention can be used as a dating service and/or a method for matching people with similar preferences by doing a statistical analysis to compare the individual preferences (Table 6) of groups of users. The individual past preference Tables, in this embodiment, would preferably be normalized and compared to each other using a standard correlation coefficient. When compared to other users it would give a numerical indication of how similar their preferences are.



US006421675B1

(12) **United States Patent**
Ryan et al.(10) Patent No.: **US 6,421,675 B1**(45) Date of Patent: **Jul. 16, 2002**(54) **SEARCH ENGINE**(75) Inventors: **Grant James Ryan; Shaun William Ryan**, both of Christchurch; **Craig Matthew Ryan**, Wellington; **Wayne Allstar Munro; Del Robinson**, both of Christchurch, all of (NZ)(73) Assignee: **S. L. I. Systems, Inc. (NZ)**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/115,802**(22) Filed: **Jul. 15, 1998****Related U.S. Application Data**

(60) Provisional application No. 60/078,199, filed on Mar. 16, 1998.

(51) Int. Cl.⁷ **G06F 17/30**(52) U.S. Cl. **707/100; 707/501.1; 707/3**(58) Field of Search **707/1-4, 501, 707/513, 523, 100, 501.1; 709/206**(56) **References Cited****U.S. PATENT DOCUMENTS**

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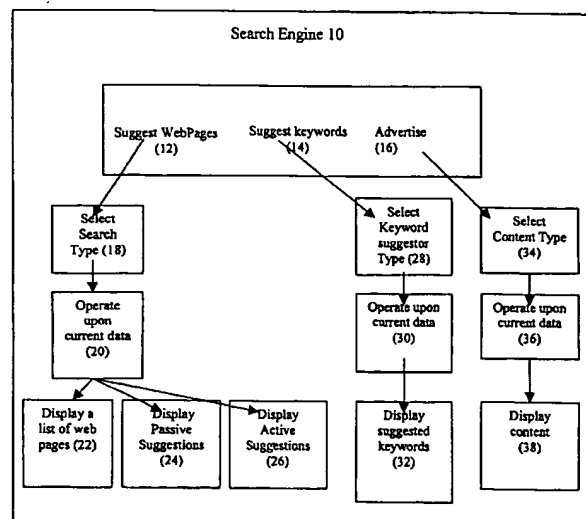
Primary Examiner—Hosain T. Alam

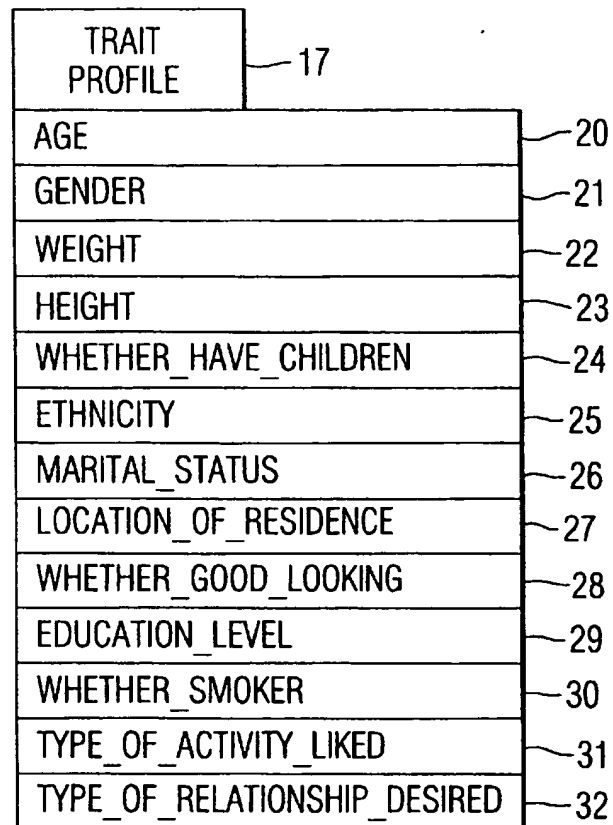
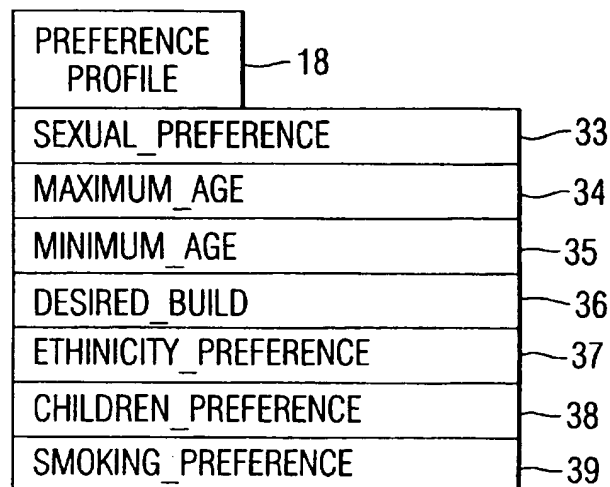
Assistant Examiner—Ella Colbert

(74) Attorney, Agent, or Firm—Pillsbury Winthrop LLP

(57) **ABSTRACT**

The present invention provides for a method of updating an internet search engine database with the results of a user's selection of specific web page listings from the general web page listing provided to the user as a result of his initial keyword search entry. By updating the database with the selections of many different users, the database can be updated to prioritize those web listings that have been selected the most with respect to a given keyword, and thereby presenting first the most popular web page listings in a subsequent search using the same keyword search entry.

5 Claims, 27 Drawing Sheets

*FIG. 3a**FIG. 3b*

US-PAT-NO: 6480885

DOCUMENT-IDENTIFIER: US 6480885 B1

**TITLE: Dynamically matching users for group communications
based on a threshold degree of matching of sender and recipient predetermined acceptance criteria**

----- KWIC -----

Dating services and employee-employer matching services use criteria and profile information to match people together, but they use those results only for one-on-one communication. hey have not used matching technology for group communication in which each user has their own personalized group.

Match making 105/7

DOCUMENT-IDENTIFIER: US 20020194049 A1

**TITLE: Computer-based networking service
and method and system
for performing the same**

----- KWIC -----

[0009] For example, U.S. Pat. No. 5,963,951 to Collins relates to a computer-implemented dating service, and more particularly, to a method, system and apparatus for real-time, on-line computer searching and matching of database entries based on location and user-selectable search criteria. The system provides user-controlled perusal of the on-line dating search results.

A database of subscriber information is searched to find at least one subscriber matching user search criteria. The subscriber information includes preferences of subscribers to the service. Both the personal preferences and the subscriber information include at least: a gender preference; a geographic location preference; a geographic location preference;

**an age preference;
appearance preferences; religious belief preferences;
educational level
preferences; and a goal preference, wherein the goal
preference is one of
"romance"; "friendship" or "a walk on the wild side",
wherein the geographic
location preference is at least one of a postal code, a
country, a city, a
suburb, a block, or a street. The subscriber information
includes a date of
last payment of a use fee by each subscriber and a date
of last updating of a
personal profile by each subscriber. First the system
locates, from the
database, all valid subscribers whose gender
preferences matches the required
gender preference and who are located "nearby" the
given postal (zip) code.
Then, for each subscriber found in the first step, the
system also retrieves
the user's system information such as user name, phone
number and geographic
location. Next, for each subscriber retrieved (who
matched the gender and
geographic location criteria), the system determines a
score based on the
subscriber's input information, the subscriber's
preferences and the user's
input and preferences. The list of matching subscribers
is then sorted in**

descending order by "score", then in ascending order by zip code and then in descending order of last access and/or payment.

[0010] Thus, the system and method of Collins provides an on-line dating service which matches subscribers with other subscribers for possible dating.

Such a system would be unsuitable for providing an on-line networking system for arranging meetings such as dinner meetings at a specified time and place.

The on-line dating service of Collin would not, for example, enable an individual to better utilize "down time" which occurs as a result of a layover at a particular city on a business trip. Or for an individual at home who has just had their evening plans cancelled but would still like to meet with other individuals for dinner, a drink or the like. See also, U.S. Pat. No. 5,796,395 to de Honda.

[0011] Moreover, a "dating service" is not always an acceptable alternative of the individual. First, the individual may not be interested in a date in the romantic sense. Such dating services are geared to matching people together in a romantic sense. For individuals who are

**married, for example,
the "dating services" currently offered do not offer an
attractive choice for
better utilizing their down time. Second, many people
feel a stigma is
associated with seeking and/or finding a "significant
other" using a dating
service. Furthermore, such services typically first match
the individuals and
then the individuals, if willing, communicate via email
and/or telephone to
learn more about each other. Such systems are not
suitable for setting up a
networking meeting at a particular time and place.**